

Figure 1: BICM Transmitter Structure

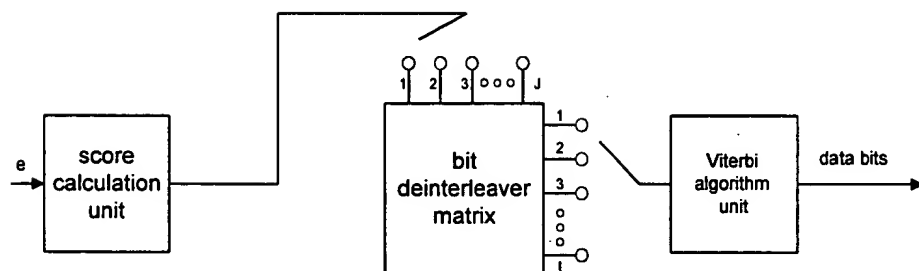


Figure 2: Non iterative BICM Decoder Structure for Receiver

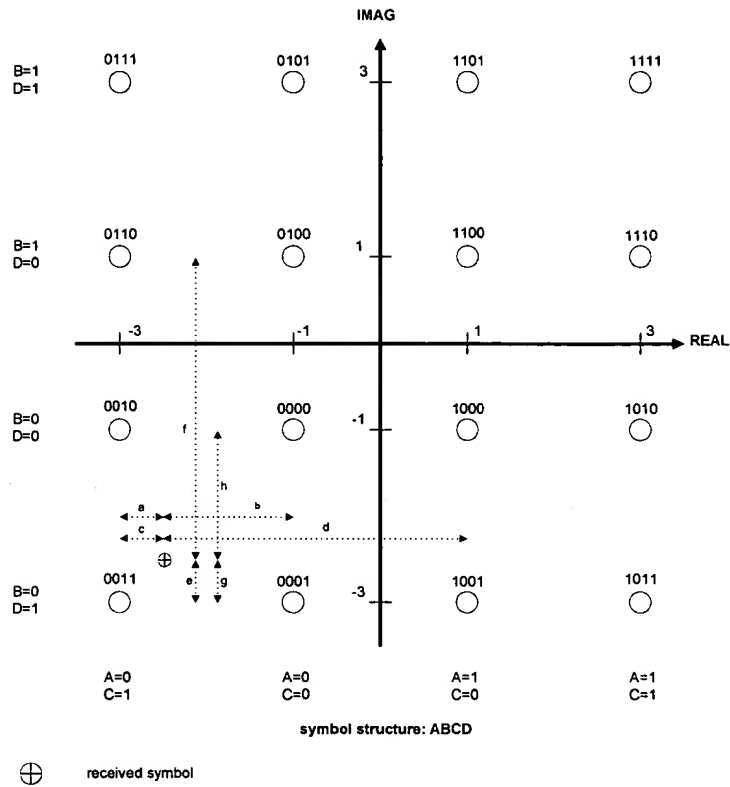


Figure 3: Scoring Example for 16QAM

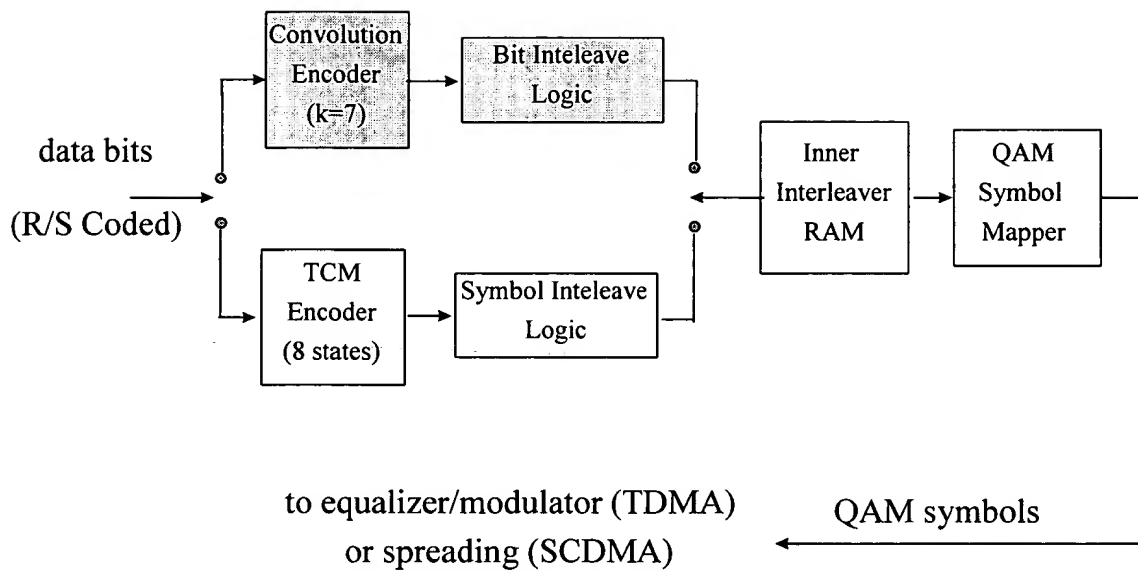


Figure 4: Modified FEC Block diagram

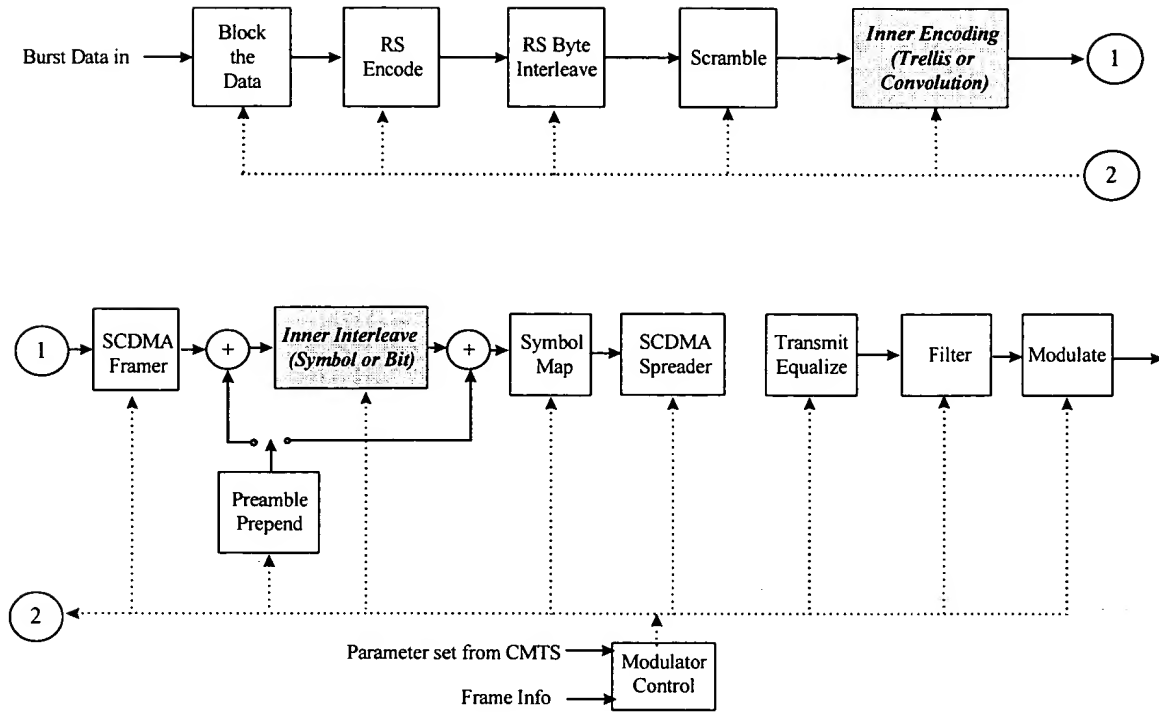


Figure 5: Modified DOCSIS 1-2 Upstream Transmission Processing

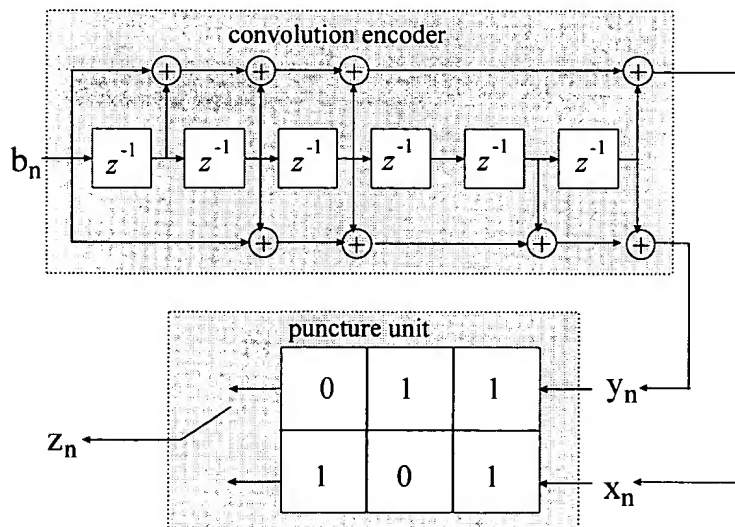


Figure 6: BICM Punctured convolution encoder

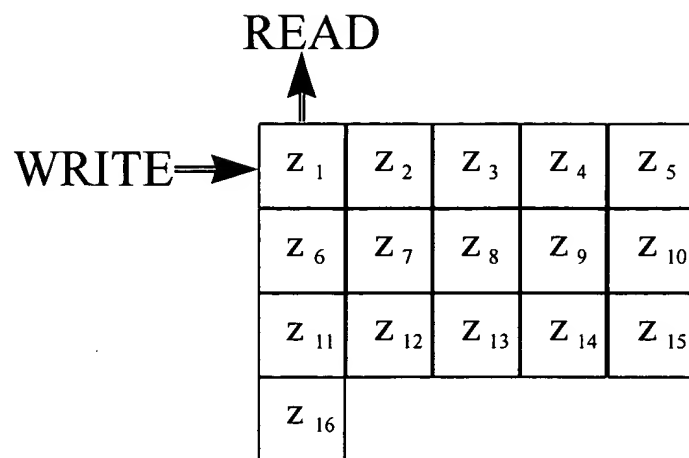


Figure 7: Bit Interleaving Example